Millions Invested in Rogue River Power Plants

valley are greater than those of any region in the northwest. Abundant power has been developed to supply the valley's needs for years. Farming by electricity is an accomplished fact. Power and light lines are extending and being extended to all parts of the valley.

The year 1912 witnessed the completion of the first unit at the Prospect power plant at a cost of \$750,-000, generating 8000 horsepower. The plant is planned for five such units, developing 40,000 horsepower at comparatively slight additional expenditure.

The location is an ideal one. A diverting dam takes the water out of the Rogue river. It is carried in a flume a mile in length across a pumice flat and dropped almost vertically in a steel pipe over 500 feet over a precipice.

The pole line is of unusually heavy construction and designed for a voltage of 66,000 volts. The poles are forty feet long and spaced thirty to the mile, the wires are No. 10 stranded aluminum cable and are carried on insulators fourteen inches in diameter and weighing thirty-three pounds each.

The pioneer power plant at Gold Ray generating 5,000 horsepower, is used for emergency purposes. Companies Consolidated

The California-Oregon Power company was formed by the consolidation of a number of small lighting and power companies in southern Oregon and northern California, the most important of which was the Siskiyou Electric Power company of Yreka, Cal.; the Klamath Falls Light & Water company of Klamath Falls, Or., and the Rogue River Electric company of Medford, Or.

The transmission lines of the California-Oregon Power company extend from the Greenback mine, twenty mileh north of Grants Pass, Or., on the north, to Dunsmuir and Costells, Cs., on the south, and Fort Jones, Cal., on the west to Klamath Palls and Bonanza, Or., on the east, reaching every important town in Josephine, Jackson and Klamath countles in Oregon and Siskiyou county, California. There being in all about 300 miles of high-tension transmission lines in the territory served by the company, supplying the following cit-

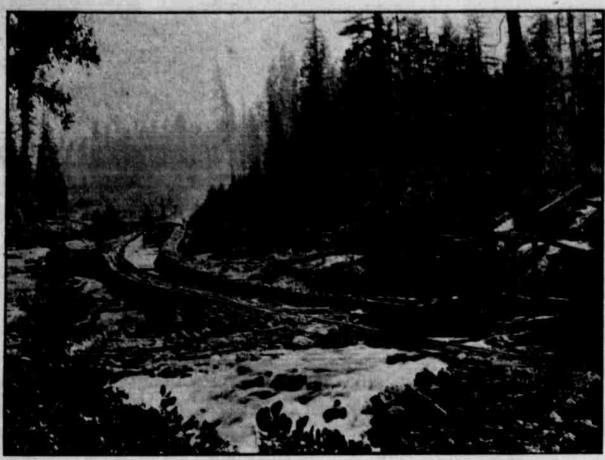
Oregon -- Grants Pass, Rogue River. Gold Hill, Tolo, Central Point, Jacksonville, Eagle Point, Medford, Phoenix, Talent, Ashland, Klamath Falls, Merrill, Bonanza.

California-Yreka, Montague, Dorris. Etna, Weed, Dunsmuir, Hornbrook, Fort Jones, Greenview, Sisson,

There are five power plants in operation on the system: Gold Ray and Prospect in Oregon, and Shasta river, wonderful change caused in the use Fall creek and Klamath Falls, in Cal- of electric light by the modern Tungifornia, with a sixth plant under con- sten lamp. Ten years ago a sixteenstruction on the Klamath river, at candle power lamp consumed seventy Ward canyon, Siskiyou county, Cali- watts an hour, and the price of elec-

operated at once on the lines of the of a sixteen candle power lamp cost company, giving a more steady and a dollar. A modern Tungsten lamp, reliable source of power than when delivering sixteen candle power, conone plant alone is operated. Any one sumes only twenty watts per hour. of the five plants can disconnect from and at the present price of currentthe line at any time and shut down ten cents a thousand, four hundred for repairs, if necessary, without ef- hours' use of a sixteen candle power fecting the other four plants.

number of changes have been made ten years ago. in the switching system controlling. The use of Tungsten lamps makes the transmission lines and in case of a marked decrease in the use of eleca defect in the line at any point the tric current for lighting and makes defective section can be at once cut possible the extensive use of electric out and service supplied from the heating and cooking appliances. plants nearest the break until the In the Rogue River valley there are damaged portion of the line can be



Intake for Prospect Power Plant- to left is Gold Ray Dam and Power Plant.

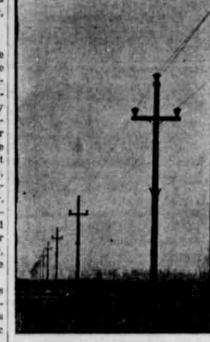


Prospect Power Flume

within the territory covered by its lines for electric lighting, heating,

Modern Lights

Very few persons understand the tric current was fifteen cents per All five of the power plants are thousand watts, making 94 hours' use lamp can be secured for one dollar, During the past four months a or four times as much as was possible



Prospect Pole Line

now over one hundred families that ing a partial use of electric cooking are doing all their cooking by means service. The motto of the California of residences on the power com- pipe line to an elevation of two hun-The California-Oregon Power com- of electric current, and there are Oregon Power company is, "Cook by pany's lines use this means of heat- dred feet above the pumping plant toe fly in a manner quite unlike the pany is supplying electric service several hundred more who are mak- Wire," and they predict that the timeing water and three large Hotels heat



in the Rogue River valley within and kitchens by electric heaters. reach of the electric service lines will | Irrigation by means of pumping

indeed "Cook by Wire." Electric Heating

great improvement has been made in in many cases it is impossible to obed States, being used in a larger number of cases for office rooms, store practically no attention except to heated by electric heat.

range or kitchen boiler. A number

plants operated by electric motors is for me. rapidly growing in favor in southern Electric heating is the latest appli- Oregon. Gravity ditches are often cation of the electric current, and a expensive to build and keep up and electric heating appliances in the last tain a supply of water by gravity; but get out, and then handle five or ten few years. This use of electric cur- the electric pump can be installed rent is being developed in southern wherever there is a well, spring or Oregon as nowhere else in the Unit- small stream, is easy to install and economical to operate and requires rooms where entire residences are open and close the switch operating the motors. The California-Oregon Another new development is the Power company has one pumping electric water heater that is connect- plant at Gold Ray with a twelve-inch ed in series with the water pipes and pump having a capacity of two thouheats the water for the ordinary sand gallons a minute that delivers quite different from ordinary trout water through about six miles of and capable of pumping water enough for three thousand acres of land. On several large pumping plants pump-

ten thousand acres of land.

Two Hundred Pumps probably be solved by means of the at a moderate pace, then look out for out. Cluster lights adorn the para- electric pump; as, given a water sup- trouble. Cast your fly straight across pets on either side. Its center is ply, the electric pump will deliver wa- the current, and let it swing quietly paved with asphalt, and the city, with ter through long lines of pipe to any

innumerable power purposes, including the operation of quartz mills. Contractor E. G. Perham, has quarries and brick yards, planing and you feel a tug that makes your charge of the work and is doing a mills, box factories and ice plants. splendid job. The structure will be and the time is not far distant when completed March 1, 1913, and will a large quantity of electric power will be needed for interurban roads in

stituted to check it. A supreme tric power from the plant at Prosposition and work was started late Lumber Co. at Weed, Cal., this company having found that they could bundred feet across, with an average am inclined to agree with them.

make an actual saving in operation ; by shipping their slabwood and scrap company in the Rogue River valley in material to San Francisco and selling it for fuel, instead of burning it under boilers for fuel, and using electric power to operate their plant.

1912 cost over fifty thousand dollars.

Among the extensions contemplated for next season are: A service line The California-Oregon Power com- for electric light and power down pany during the season of 1912 has the Applegate from Jacksonville to built over fifty miles of distributing Grants Pass, an extension of the main lines along the country roads of the transmission lines from Grants Pass Rogue River valley, supplying elect to Prospect, and from Prospect to tric current to ranches, orchards and Klamath Falls, giving two complete country homes, the owners of which lines for transmission of power from are quick to realize that electric cur-, each plant to any town on the system. rent is no longer a luxury, but a ne- A number of shorter lines, in the cessity, and that as labor is uncertain Rogue River valley are contemplated and high-priced every labor-saving in 1913, and especial effort will be device in the home and on the ranch | made to run service lines wherever instead of being an expense is a true there is a prospect of electric pumping for irrigation.

Finest Fly Fishing in the World

ing near Portland. Anyone with a fair knowledge of the country can get in the bedrock that looked very good indeed. So I put on a No. 4 Grinzly trout fishing within 30 miles of the King, and sent it floating over the selmon fishing that is considered mighty good sport. But if you want the fly settled a little farther out. to know what real fishing is, you drifted a yard or two when bang!must go to southern Oregon and and my rod bent double and tackle an eight-pound steelhend trout began fairly to scream. in the Rogue river. It will make you forget any other fishing you ever then he made a straight shoot for the had, and if you are lucky enough to rapids below. Down he went to the get several days of this royal sport, very brink, taking out line until my it will spoil you for any other kind of reel looked pretty sick. Here he angling. At least, that's what it did stopped long enough to let me wade

Everything is on a big scale. You have to wade to the very limit, cast threatened to go over the falls severevery foot of line you can possibly al times, I finally drew him ashore. pounds of the gamest trout flesh that ever broke . man's tackle. There's nothing easy about this steelhead fly so you can see he was "some fish." fishing. It's hard work, every minute of it, but for the man who enjoys fighting a big fish on a fly rod, it's worth all the energy it costs.

Steelhead Trout Fishing Unique In the first place the fishing is fly fishing. The steelheads are found

rainbow or cutthroat trout. You may be a successful fly fisherthe company's lines in California are man on the average mountain stream, and then fish the Rogue for a week ing water from one hundred to three without hooking a single steelhead. hundred feet high and some of the The experienced Rogue fisherman plants capable of pumping water for will walk along the stream, completely ignoring places that look very promising to the amateur, and pick In the Rogue River valley about out spot after spot where the steeltwo hundred small pumping outfits heads are sure to be hiding. You have been installed, ranging in size don't find them in ordinary gravel from small outfits, pumping from a bottom riffles, nor in deep, swirling well for household use to larger out- eddles, but wherever there is a solid Pacific & Eestern railroad \$2,500 for fits capable of irrigating twenty to bedrock bottom, with crack and forty acres of orchard. The irriga- grooves scattered through it, and six tion problem of the foothills will or eight feet of water running over it

> Electric mototrs are being used for the surface or give it any motion whatever. Just let it sail quietly along, until it suddenly disappears, blood tingle clear down to your toes. Afternoon's Sport Is Great

around until it straightens out be-

low you. Don't try to skip it along

I had a grand afternoon's sport on the Rogue about ten miles above Medford. At this point there was an unusually long and heavy rapid, and just above this fast water was the The channel here was probably a

depth of perhaps eight feet. There We have some good average fish- was quite a swirl to the water, but I city. In the spring months we have pool. No response at first, so I grad-

> Out of the water he came, looking ashore, and I was then able to fight him or even terms. After ten minutes of plunging, during which he I had no scales at hand to weigh him just then, but after hanging up in the warm air all day, he weighed a atrong eight pounds in the evening.

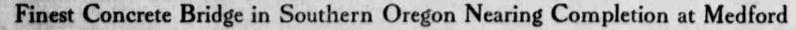
Four More Prizes Taken

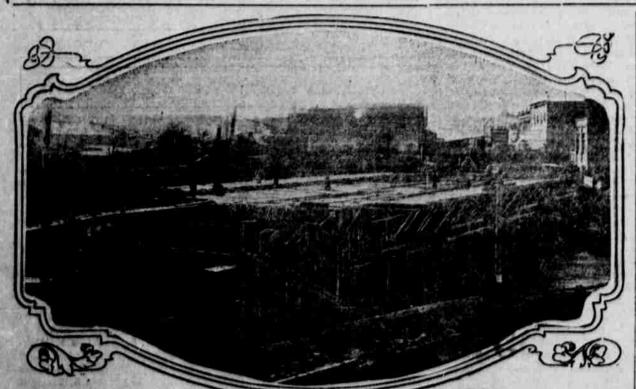
Then I went at it again, using first the Grizzly King, and at times the yellow body gray backle, and in the next hour landed four more out of the same water, none of which weighed less than four pounds. About this time they quit striking, and I went ashore to rest until the evening shadin a different sort of water, and take ows reached the upper end of the pool, which I had not fished. This portion of the water was more difficult to reach. After wading out to the edge of deep water I found that the choicest part of the pool was still above me. The sun was now behind the trees, so I put on a No. 6 Royal Coachman, and began dry-casting it diagonally up stream. It settled just beyond the edge of a bedrock reef and came drifting down toward me. The water was fairly clear and quiet, and I felt sure I could see any fish that might rise. But these big fellows must be as fast as they are strong, for just as I was about to retrieve the cast there was a suspicious boil near the fly, it disappeared, and I struck just in time to hook a regular whopper. Straight into the air he went, three times within 10 seconds, the last time falling so close that he splashed water all over me. But the little book held firm, and he came ashore in due order.

> After a few minutes' rest. I went at it again, getting two more, one on an upstream cast of fully 40 feet. which is something unusual for steelhead fishing.

Medford is the home of the major-

ity of the steelhead fly fishermen. and they are a most enthusiastic lot. They think they have the finest fly fishing in the United Statees, and I





The reinferced concrete structure at Medford, litigation over which has just been ended in the supreme court.

At a cost of \$25,000 there is now being constructed across Bear creek near the heart of this city, a concrete bridge which promises to be one of the most handsome structures of its kind in the state. The county pays \$18,000, the city \$13,500, and the the privilege of laying its tracks be-

The bridge is of concrete throughan eye to the future, had car tracks height desired. laid along its center in order that the bridge need not be damaged when a street car line is laid.

link the city closely together.

Work on the bridge was delayed this territory. until winter owing to suit being in-

One thousand horse power of eleccourt decision sustained Medford's pect, Or., goes to operate the Weed finest lot of bedrock I have ever seen.